

FIG. 1 is a block diagram of a cable network system in accordance with the present invention.

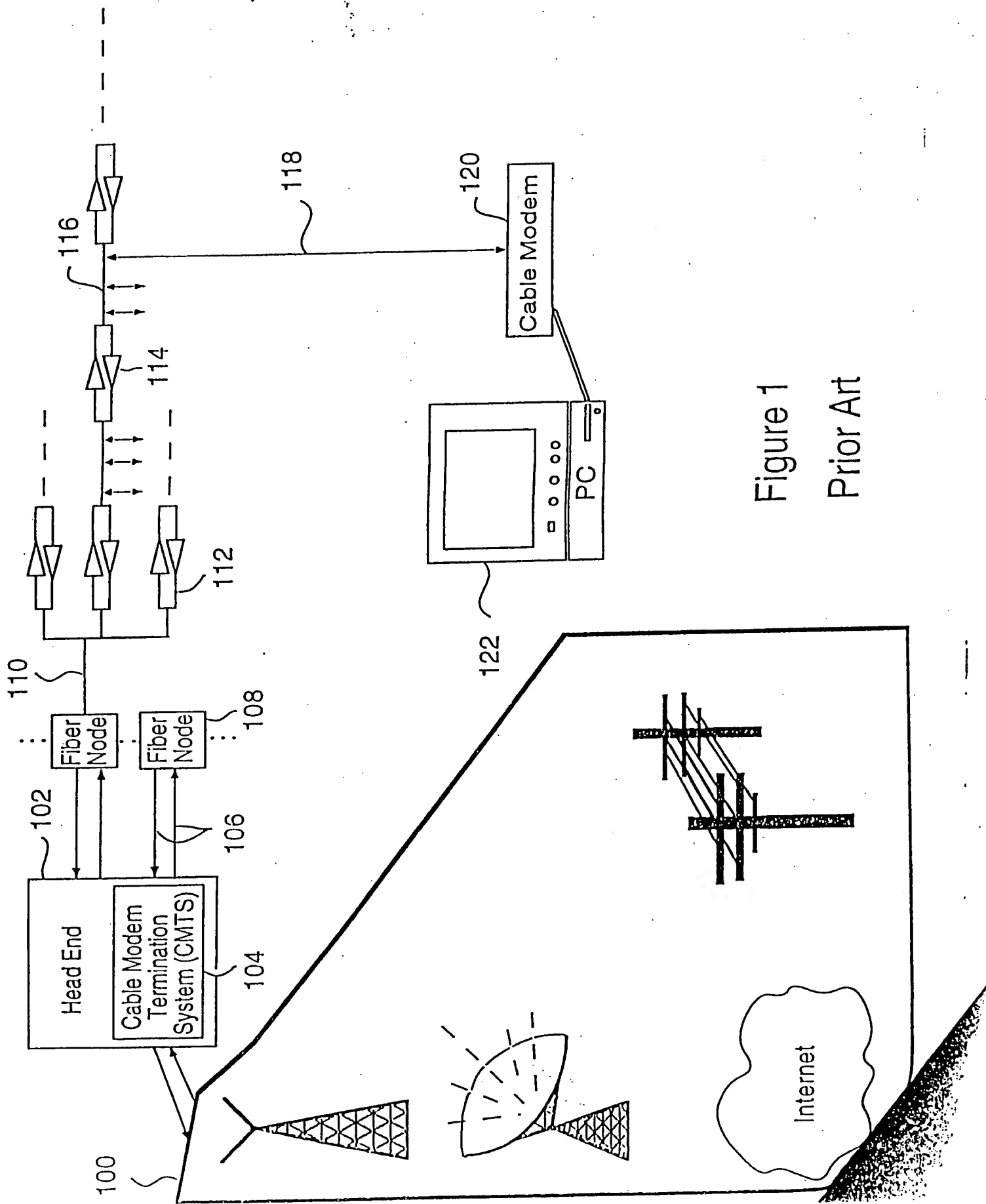
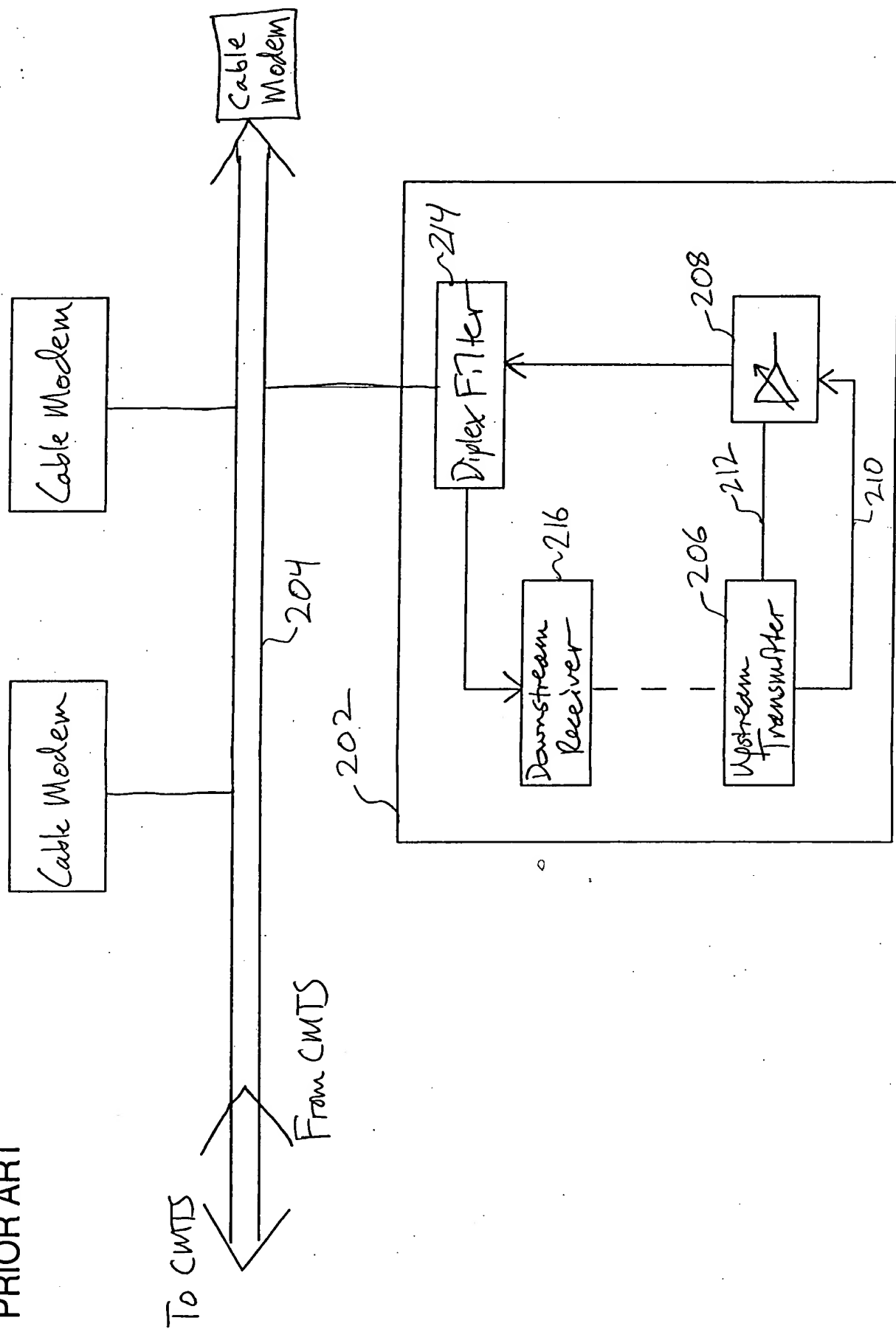


Figure 1

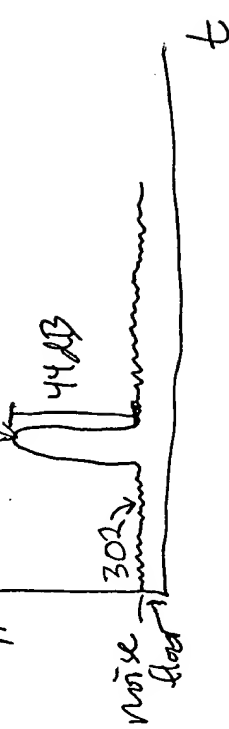
Prior Art

FIG. 2  
PRIOR ART

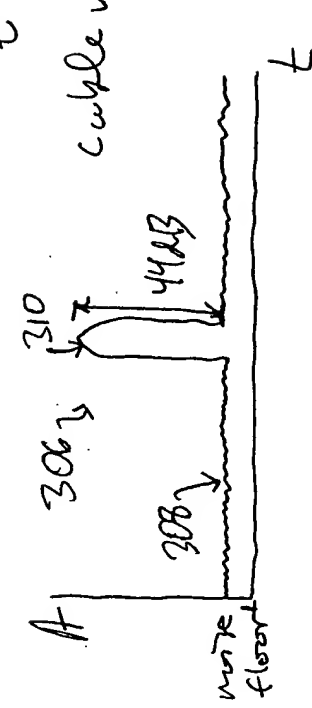


# FIG. 3

300  
A cable modem 1 (upstream band)



310  
A cable modem 2 (upstream band)



accumulation of noise  
raising noise floor (when both modems  
share same upstream  
band)

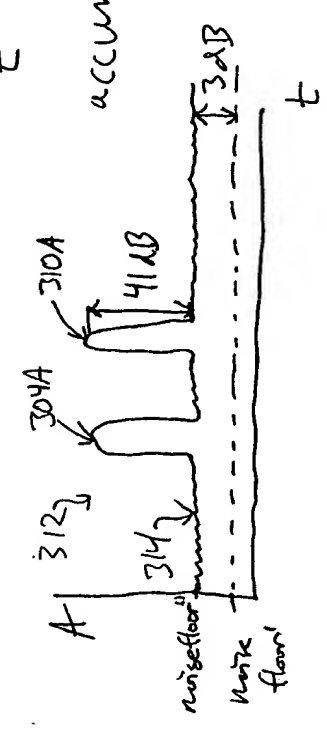


FIG. 4A

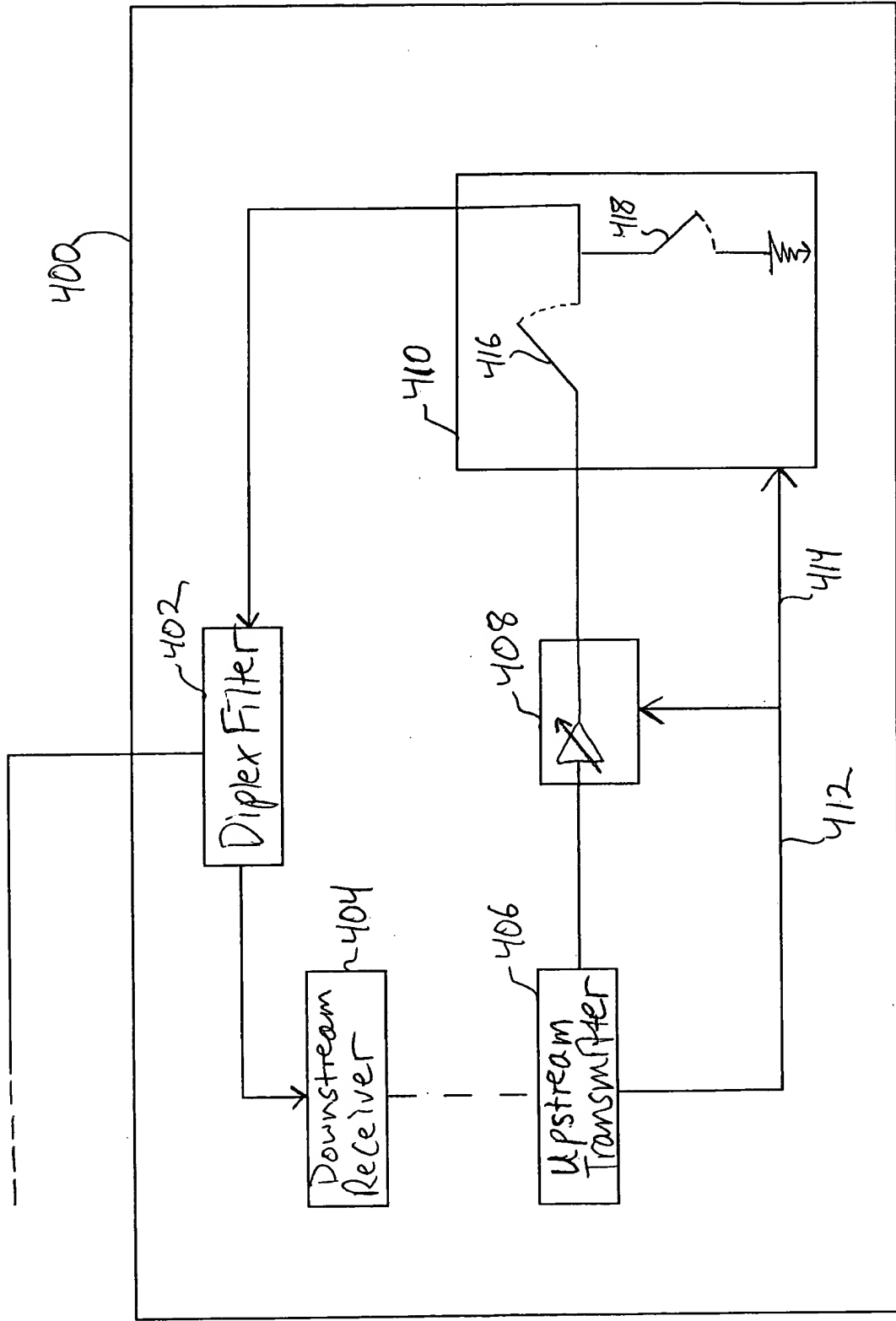


FIG. 4B

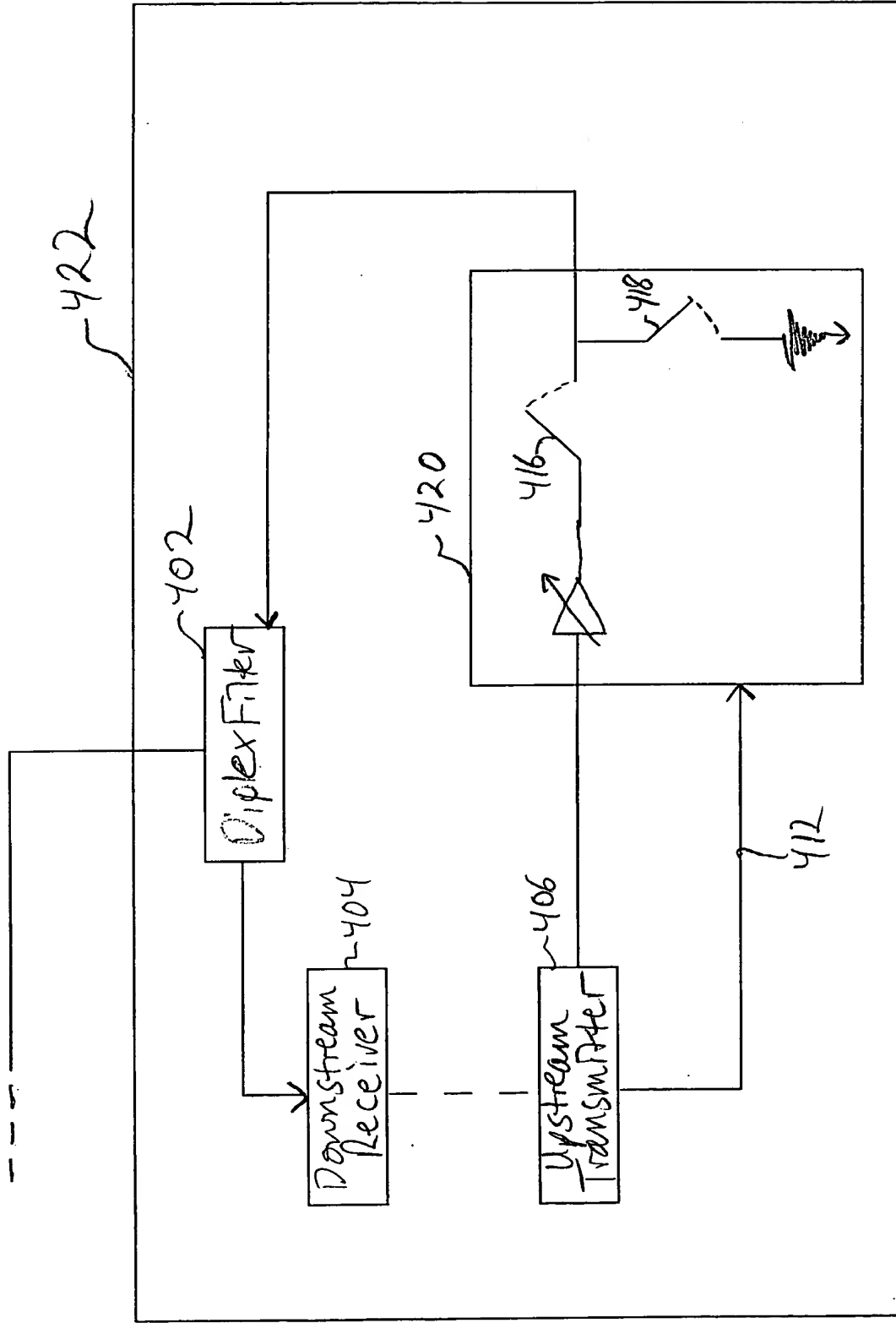


FIG. 5

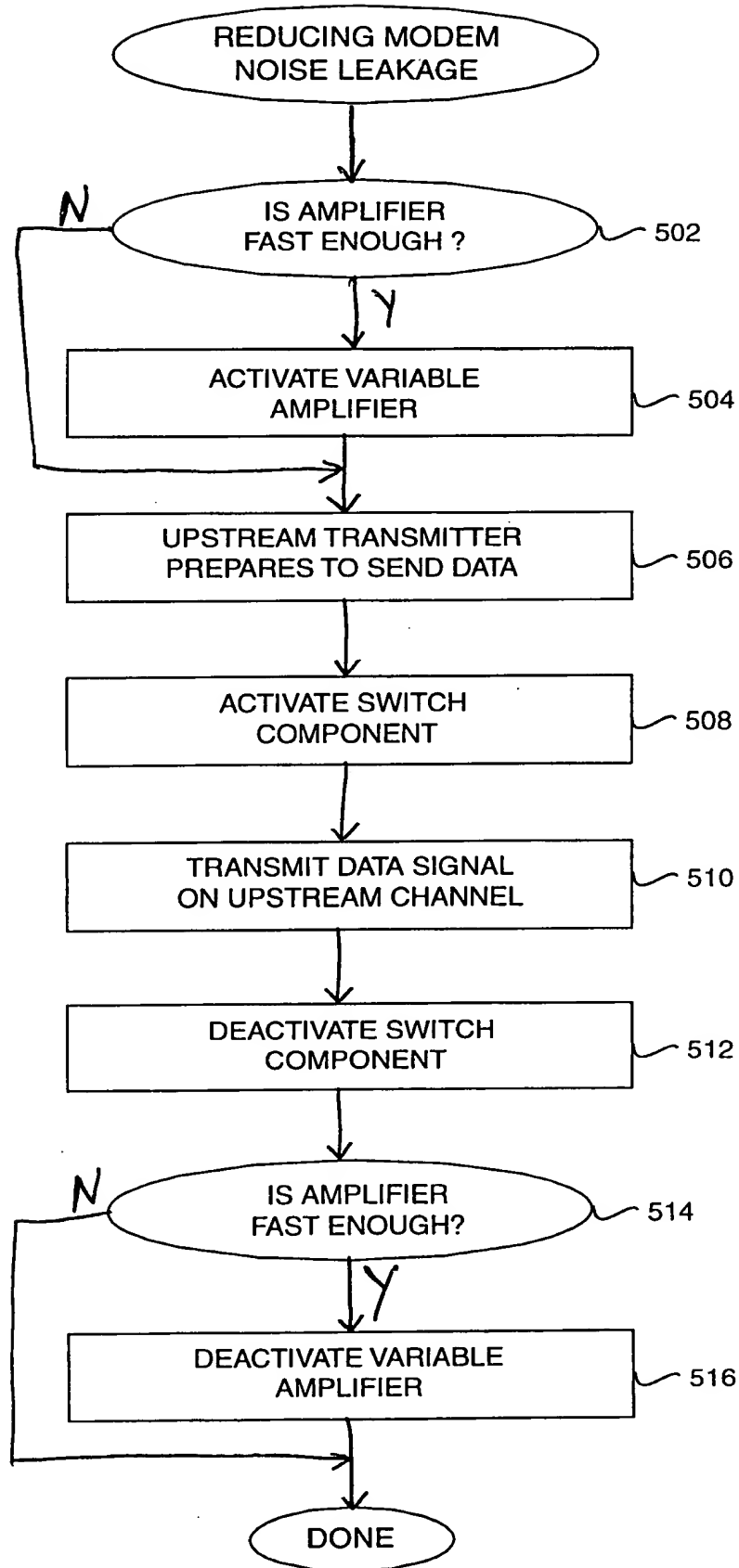


FIG. 6A

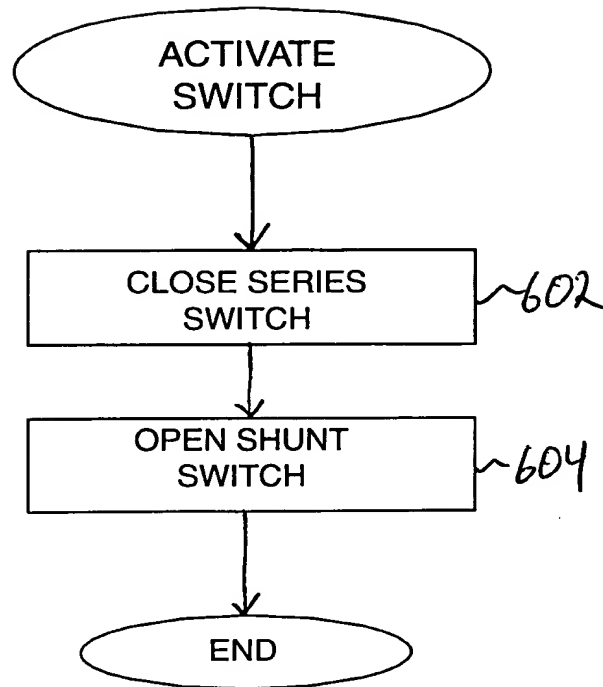


FIG. 6B

